

ATTACHMENT K | TRUCKING INDUSTRY
QUESTIONNAIRE/COMMENT FORMS

Questions - Input for City of Woodland Exit 21 Feasibility Study - Trucking Industry

Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?
Works well for car traffic until 2-3 pm
then gets congested,

2. What type of vehicle (i.e. truck) does your business predominately use? Dump trucks,
Redi-mix concrete trucks
 - a. Average Specific Vehicle Information:
 - i. # of axles 8
 - ii. wheel base dimensions _____
 - iii. length _____
 - iv. width _____
 - v. Average GVW of your trucks 105,500 Dump 35 tons Redi mix

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?
Length 75
Width 8
Weight 105,500

4. On an average day, how many trucks does your business send through **Exit 21**? 48

5. On an average day, how many trucks does your business send through **Exit 22**? 48

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 16-20

7. What is your number one concern about this intersection?

8. Other Comments?

Contact Information if we need clarification

Company Name _____

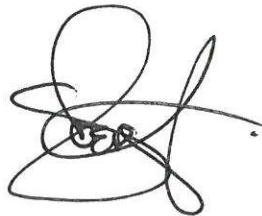
Individual to contact _____

Phone Number _____

Email _____

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WSDOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

Tracy Coleman
Public Works Director
City of Woodland



Questions - Input for City of Woodland Exit 21 Feasibility Study - Trucking Industry

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1. What is working well at Exit 21 from a travel/transportation perspective?

access to W Scott Ave from I-5 South

2. What type of vehicle (i.e. truck) does your business predominately use? tanker trucks, pneumatic truck & pup, 53' box Van, Dump trucks, transfer Trucks

- a. Average Specific Vehicle Information:

- i. # of axles 3 + 4 Axle, 8 axle
ii. wheel base dimensions unknown, some at 265", some split
iii. length varies 60' to 88'
iv. width some at 7.8', others unknown 105, 500
v. Average GVW of your trucks ~~80,000 lbs~~ to 4,000 lbs

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length _____ unknown
Width _____
Weight _____

4. On an average day, how many trucks does your business send through **Exit 21**? 40

5. On an average day, how many trucks does your business send through **Exit 22**? 20

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 0

7. What is your number one concern about this intersection?

Long wait & backup at NB Exit, tight turns to access Pacific Ave. Many large trucks require two lanes to make the turn at intersection onto Pacific Ave Northbound

8. Other Comments?

We ~~do~~ do not operate any of our own equipments. All transport is contracted out or otherwise arranged through the customer for outbound shipments

Contact Information if we need clarification

Company Name Columbia River Carbonates

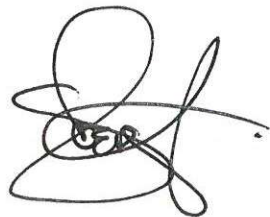
Individual to contact Heather Reznick

Phone Number 360 225 4141

Email hreznick@carbonates.com

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WDSOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

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Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

2. What type of vehicle (i.e. truck) does your business predominately use? Semi
Truck

a. Average Specific Vehicle Information:

- i. # of axles 7
ii. wheel base dimensions Tractor 288" with a 53' Trailer
iii. length 75'
iv. width 8' 6"
v. Average GVW of your trucks 96,000 #s

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 105'
Width 8' 6"
Weight 105,500 #s

4. On an average day, how many trucks does your business send through **Exit 21**? 4

5. On an average day, how many trucks does your business send through **Exit 22**? 25

6. On an average day, how many trucks does your business send over the **CC Street bridge**? rare

7. What is your number one concern about this intersection?

Truck Feasibility

8. Other Comments?

Contact Information if we need clarification

Company Name Woodland Truck Line

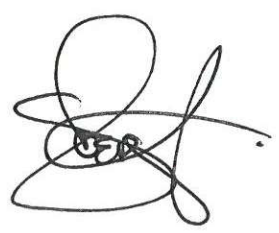
Individual to contact Anders Johnson

Phone Number 360 225 9433

Email _____

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WDSOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

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Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

NO ROUNDABOUTS

2. What type of vehicle (i.e. truck) does your business predominately use? _____

a. Average Specific Vehicle Information:

- i. # of axles 7
ii. wheel base dimensions TRACTOR 288" WITH 53' TRLRs OR DOUBLES
iii. length 175'
iv. width 8' 6"
v. Average GVW of your trucks 96000

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length _____
Width _____
Weight _____

4. On an average day, how many trucks does your business send through **Exit 21**? 4

5. On an average day, how many trucks does your business send through **Exit 22**? 25

6. On an average day, how many trucks does your business send over the **CC Street bridge**? rare

7. What is your number one concern about **this** intersection?

BACK UP ONTO THE FREEWAY

8. Other Comments?

Contact Information if we need clarification

Company Name WOODLAND TRUCK LINE INC

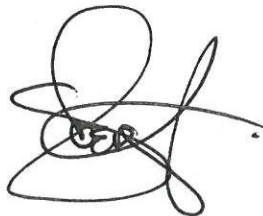
Individual to contact JIM OR DARLENE JOHNSON

Phone Number 360-725-9433

Email darlene@gowood.net

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WSDOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

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Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

NA Slow Exit

2. What type of vehicle (i.e. truck) does your business predominately use? Cattle Trucks

a. Average Specific Vehicle Information:

- i. # of axles 4
ii. wheel base dimensions 48 + 102
iii. length 72 FT
iv. width 102
v. Average GVW of your trucks 102,000

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length _____
Width _____
Weight _____

4. On an average day, how many trucks does your business send through **Exit 21**? 25

5. On an average day, how many trucks does your business send through **Exit 22**? 20

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 0

7. What is your number one concern about **this** intersection?

8. Other Comments?

Contact Information if we need clarification

Company Name WALTS MOATS INC

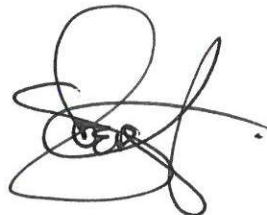
Individual to contact JAY HOWSER

Phone Number 360 225-8203

Email JAY@WALTSMOATS.COM

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WDSOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

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1. What is working well at Exit 21 from a travel/transportation perspective?

we don't use this exit very often

2. What type of vehicle (i.e. truck) does your business predominately use? _____

tractor trailer, straight truck + trailer

- a. Average Specific Vehicle Information:

- i. # of axles varies 6-8
ii. wheel base dimensions varies
iii. length 90'
iv. width 8'6"
v. Average GVW of your trucks up to 105,500

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 90'
Width 14'
Weight 105,500

4. On an average day, how many trucks does your business send through **Exit 21**? 0

5. On an average day, how many trucks does your business send through **Exit 22**? in winter

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 20 summer

7. What is your number one concern about **this** intersection?

Flow of Traffic, Safety

8. Other Comments?

Contact Information if we need clarification

Company Name Columbia Precast Products

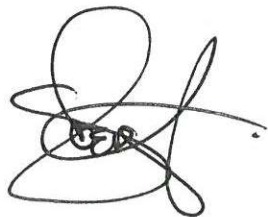
Individual to contact Tina Anderson

Phone Number (360) 335-8408

Email logistics@cppwa.com

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1. What is working well at Exit 21 from a travel/transportation perspective?

Not much at all. Life time resident. I try to avoid it at all cost.

2. What type of vehicle (i.e. truck) does your business predominately use? Multiple trucks - FedEx / UPS / others

a. Average Specific Vehicle Information:

- i. # of axles _____
ii. wheel base dimensions _____
iii. length _____
iv. width _____
v. Average GVW of your trucks _____

If Quest. #2 does not apply, then why? Most use exit 22

3. What would be the largest truck you would send through this intersection?

Length 54'
Width _____
Weight _____

4. On an average day, how many trucks does your business send through **Exit 21**? 0-1

5. On an average day, how many trucks does your business send through **Exit 22**? 1-3

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 0

7. What is your number one concern about **this** intersection?

Congestion

8. Other Comments?

Contact Information if we need clarification

Company Name LifePort, LLC.

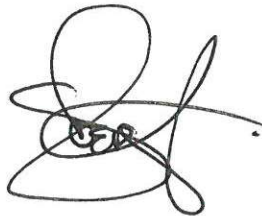
Individual to contact MICHAEL D. MAY

Phone Number 360-225-1212

Email mmay@lifeport.com

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1. What is working well at Exit 21 from a travel/transportation perspective?

NO PROBLEMS AT NIGHT

2. What type of vehicle (i.e. truck) does your business predominately use? EVERYTHING FROM TOW TO STRETCH TRAILERS

a. Average Specific Vehicle Information:

- i. # of axles 8-16
ii. wheel base dimensions _____
iii. length 60-70
iv. width 8' TRUCK = 10' → 20' LOAD
v. Average GVW of your trucks 80

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 140 LOAD
Width 20
Weight 30KLB
18.5' HIGH

4. On an average day, how many trucks does your business send through **Exit 21**? 2

5. On an average day, how many trucks does your business send through **Exit 22**? 0

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 0

7. What is your number one concern about this intersection?

BEING ABLE TO GET LONG/HIGH
WIDE LOADS THROUGH

8. Other Comments?

Contact Information if we need clarification

Company Name TOPPER INDUSTRIES

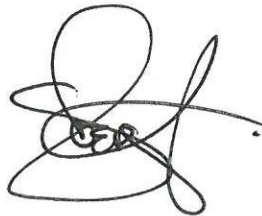
Individual to contact DAVE LESTER

Phone Number 360-841-8320

Email dave@topperleads.com

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1. What is working well at Exit 21 from a travel/transportation perspective?

We try to avoid this exit.

2. What type of vehicle (i.e. truck) does your business predominately use? _____

Dump trucks, Pup, belt Trailers, Tankers, Lowboys

- a. Average Specific Vehicle Information:

- i. # of axles 7-8
ii. wheel base dimensions 65-75 feet N/A
iii. length ↓
iv. width up to 13' wide
v. Average GVW of your trucks 101,500

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 75
Width 13
Weight 105,500

4. On an average day, how many trucks does your business send through **Exit 21**? 0

5. On an average day, how many trucks does your business send through **Exit 22**? 25

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 0

7. What is your number one concern about this intersection?

Congestion, Safety, Sway intersection

8. Other Comments?

Contact Information if we need clarification

Company Name Tribeca Transport

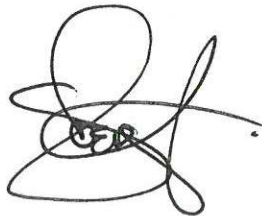
Individual to contact Eric Thwaites

Phone Number 360-518-0041

Email eric@tribecatransport.com

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Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

MOST OF OUR TRUCK TRAFFIC USES EXIT 22.
OUR EMPLOYEES DO USE EXIT 21.

2. What type of vehicle (i.e. truck) does your business predominately use? _____

SMALL VANS - POP TRAILERS

- a. Average Specific Vehicle Information:

- i. # of axles 2
ii. wheel base dimensions _____
iii. length 15' to 20'
iv. width 8
v. Average GVW of your trucks 5 TON

If Quest. #2 does not apply, then why? we Predominantly use exit 22

3. What would be the largest truck you would send through this intersection?

Length 65
Width 8
Weight 80,000

4. On an average day, how many trucks does your business send through **Exit 21**? 1

5. On an average day, how many trucks does your business send through **Exit 22**? 15

6. On an average day, how many trucks does your business send over the **CC Street bridge**? _____

7. What is your number one concern about this intersection?

BOTH EXIT 21 + 22 ARE HIGHLY CONGESTED
DURING RUSH HOUR. TAKES LONG TIME TO GET
THRU

8. Other Comments?

NA

Contact Information if we need clarification

Company Name USNR

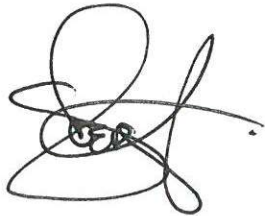
Individual to contact SCOTT DALESANDRO

Phone Number 360 841 6576

Email SCOTT.DALESANDRO@USNR.COM

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1. What is working well at Exit 21 from a travel/transportation perspective?

2. What type of vehicle (i.e. truck) does your business predominately use? Semi-tractor with a 53' trailer

a. Average Specific Vehicle Information:

- i. # of axles 7
- ii. wheel base dimensions _____
- iii. length 75'
- iv. width 8'6"
- v. Average GVW of your trucks 98,000 lbs

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 75'

Width 15'

Weight 105,500 lbs

4. On an average day, how many trucks does your business send through **Exit 21**? 5
5. On an average day, how many trucks does your business send through **Exit 22**? 15-20
6. On an average day, how many trucks does your business send over the **CC Street bridge**? 2

7. What is your number one concern about this intersection?

Turning right onto CC Street bridge. Cars try to pass on the right when swinging wide to turn south.

8. Other Comments?

Need to reduce Pacific Ave backups in evenings

Contact Information if we need clarification

Company Name Columbia Fruit

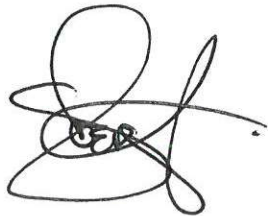
Individual to contact Galen Sarkinen

Phone Number (360) 609-9650

Email galen@columbia-fruit.com

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1. What is working well at Exit 21 from a travel/transportation perspective?
It gives drivers an opportunity to avoid the center of town.

2. What type of vehicle (i.e. truck) does your business predominately use? Customers drive varieties of tractors & trailers
a. Average Specific Vehicle Information:
 - i. # of axles 3
 - ii. wheel base dimensions _____
 - iii. length 53'
 - iv. width 102"
 - v. Average GVW of your trucks 43,000 lbs

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?
Length 53'
Width 102"
Weight 44,000

4. On an average day, how many trucks does your business send through **Exit 21**? 15

5. On an average day, how many trucks does your business send through **Exit 22**? 30

6. On an average day, how many trucks does your business send over the **CC Street bridge**? N/A

7. What is your number one concern about this intersection?

The traffic caused when school gets out for the day.

8. Other Comments?

Contact Information if we need clarification

Company Name Lineage Logistics

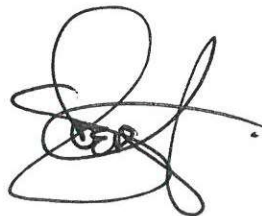
Individual to contact Chris Christensen

Phone Number 360-356-2691

Email cchristensen@lineagelogistics.com

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Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

works for cars & pickups Tough on Trucks

2. What type of vehicle (i.e. truck) does your business predominately use? _____

Concrete & Dump

- a. Average Specific Vehicle Information:

- i. # of axles 7-8
ii. wheel base dimensions 90'
iii. length 70'
iv. width 8 1/2
v. Average GVW of your trucks 105,500

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 75'
Width 8 1/2
Weight _____

4. On an average day, how many trucks does your business send through **Exit 21**? 48

5. On an average day, how many trucks does your business send through **Exit 22**? 48

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 10-12

7. What is your number one concern about **this** intersection?

Access
Backups

8. Other Comments?

Contact Information if we need clarification

Company Name Calportland

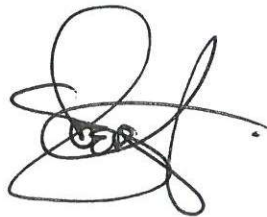
Individual to contact Rick Scalf

Phone Number 503 351-2431

Email rscalf@calportland.com

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City of Woodland



Questions - Input for City of Woodland Exit 21 Feasibility Study - Trucking Industry

Please take 10 minutes to read and fully answer each question to the best of your ability. This information will be taken into consideration while evaluating a long-term plan for exit 21. There are 7 questions in all.

1. What is working well at Exit 21 from a travel/transportation perspective?

not good for trucks need more lanes

2. What type of vehicle (i.e. truck) does your business predominately use? Dump truck's

Low Boy

- a. Average Specific Vehicle Information:

- i. # of axles 8 Axles
ii. wheel base dimensions _____
iii. length 75 - 105 feet long
iv. width 9'
v. Average GVW of your trucks 105,000 - 185,000

If Quest. #2 does not apply, then why? _____

3. What would be the largest truck you would send through this intersection?

Length 105
Width 12 wide
Weight 194,000

4. On an average day, how many trucks does your business send through **Exit 21**? 10

5. On an average day, how many trucks does your business send through **Exit 22**? 20

6. On an average day, how many trucks does your business send over the **CC Street bridge**? 2

7. What is your number one concern about this intersection?

Back up ~~in~~ in the Afternoon takes 5 minutes to get
to Light

8. Other Comments?

Contact Information if we need clarification

Company Name Groat Brothers Inc

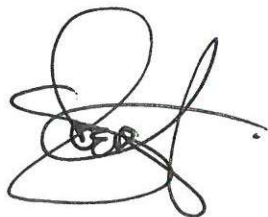
Individual to contact Dennis Groat

Phone Number 360 608 5609

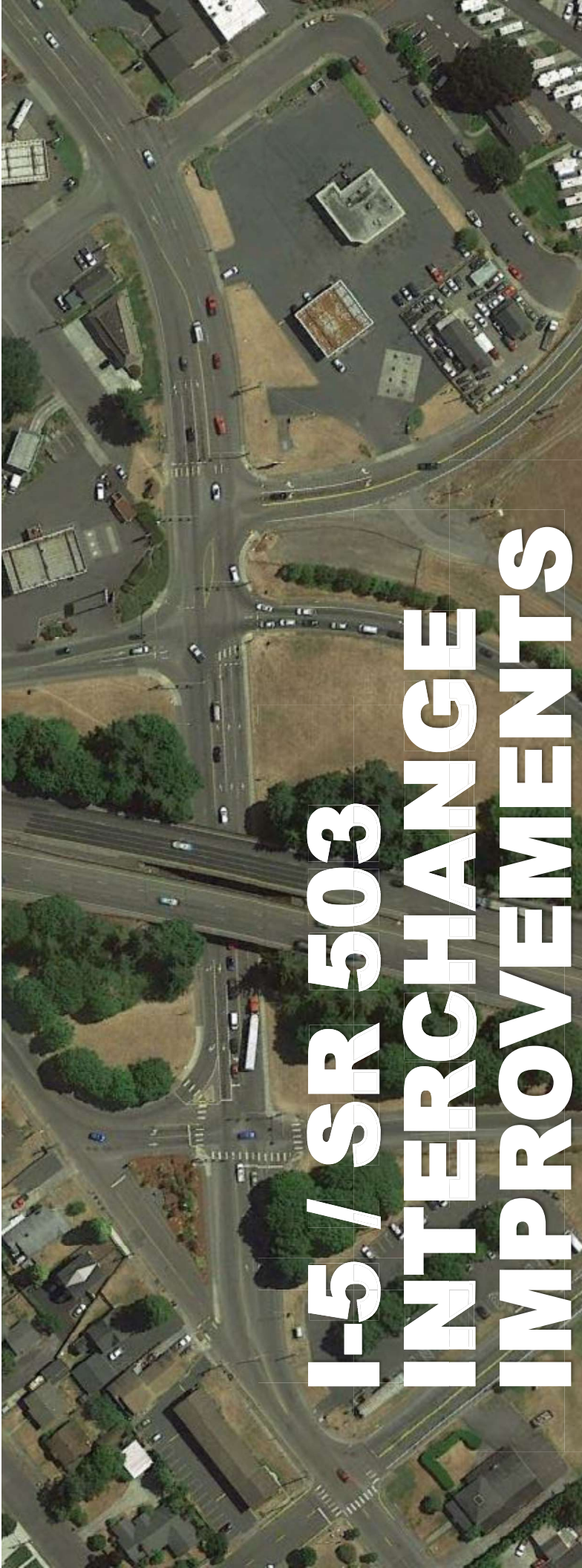
Email groat@teleport.com

Thank you for taking the time to meet with us today and we hope you listen to what information has been gathered and options that are being looked at for this intersection. A decision has not been made on a design option, but we will share that the WSDOT approved standard are roundabouts. We are required to show them the reason they will work or not work. The funding source will come from the state, WSDOT, is a player. Everything you are about to hear and see is preliminary ideas and designs from information currently gathered. Your information will be added to this data for further evaluation.

Tracy Coleman
Public Works Director
City of Woodland



DATE 1/28/2020



I-5 / SR 503 INTERCHANGES IMPROVEMENTS

CITY OF WOODLAND



Project Background

Key Issues:

- Traffic congestion throughout the interchange area
- Long vehicle queues (NB Off-Ramp and Pacific Avenue)
- Increase in heavy vehicle traffic
- Limited travel routes between the west and east sides
- Near and long-term growth (in-process developments and residential growth)
- Limited funding (not an interchange reconstruction project)



Phase 1 Goals

- Gain a comprehensive understanding of the **key transportation issues** within the interchange study area
- Develop a **range of improvement alternatives** to be taken through a **comprehensive public and stakeholder engagement process**
- Set the stage for a **preferred alternative** that can be taken into final design and construction (Phase 2)



EXIT 21 INTERCHANGE IMPROVEMENTS



PARTICIPATE

- City of Woodland website: www.ci.woodland.wa.us
- Planning Commission & City Council Meetings October–February (see [City website](#) for details)
- Public Open House: see [City website](#) for details

CONTACT

Tracy Coleman
Public Works Director
City of Woodland
360-225-7999
ColemanT@ci.woodland.wa.us

KEY PROJECT ISSUES

- BACKUPS AT THE EXIT 21 NORTHBOUND OFF-RAMP.** Particularly during the weekday PM rush hour, at times spilling back to the I-5 mainline.
- HEAVY CONGESTION ON SR 503 BETWEEN LAKESHORE DR & MILLARD AVE** causes drivers to wait through multiple signal cycles and worsens traffic at the Goerig/Buckeye-Lakeshore intersection.
- THE MULTIMODAL ENVIRONMENT:** Facilities need to be added in the interchange area and on local streets to better accommodate pedestrians and bicyclists.
- CONGESTION AND BACKUPS (>900 FEET) AT THE SOUTHBOUND APPROACH TO THE SR 503/PACIFIC AVE INTERSECTION** causes drivers to wait through multiple signal cycles and worsens traffic at the adjacent side street intersections.

ABOUT THE PROJECT

The roadway system at the I-5/SR 503 (Exit 21) interchange experiences heavy congestion during weekday peak traffic hours. As growth drives greater traffic demand, the related issues will grow worse. The interchange will eventually become an obstacle to drivers trying to reach I-5 or cross town if they are not resolved.



DECISION PROCESS

- 1 UNDERSTAND** history and existing / future interchange, roadway and other user needs
- 2 EXPLORE** various tools / treatments for addressing identified needs
- 3 DEVELOP** treatment solutions to meet each need
- 4 DISCUSS** treatment trade-offs by asking key questions
- 5 PRIORITIZE** preferred improvements within the context of City, Millard, WSDOT, and CWCOG priorities
- 6 SELECT** the preferred alternative to move into implementation

SCHEDULE



Data Collection



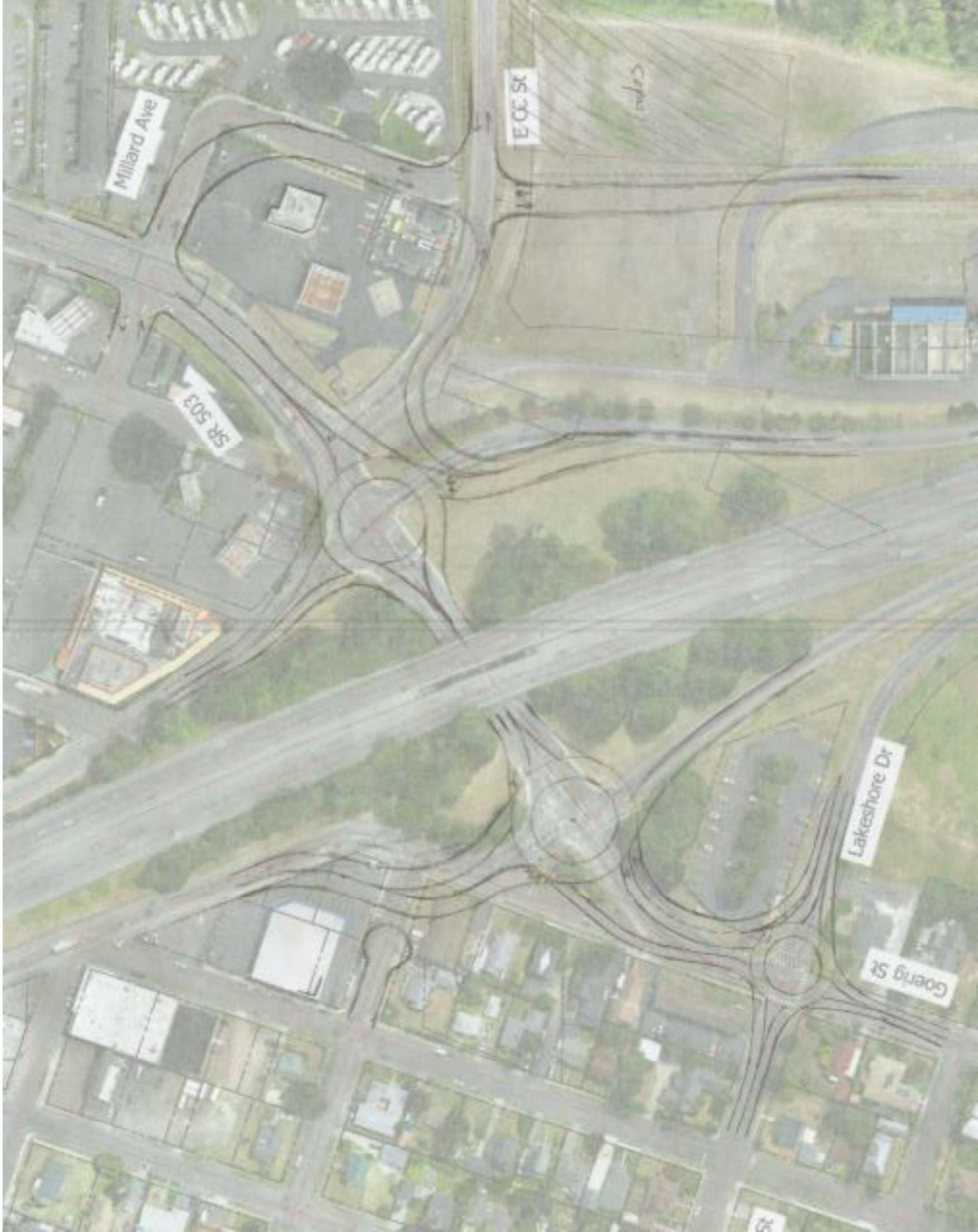
Legend

- Turning movement counts (week of 5/19)
- Round 1 tube count location (week of 5/19)
- Round 2 tube count location (6/5-6/7)

I-5 AT SR 503 INTERCHANGE IMPROVEMENTS WOODLAND, WA







Project Area

Date: 08/12/2019



I-5 at SR 503 Interchange Improvements Woodland, WA

Project Area

Date: 08/12/2019



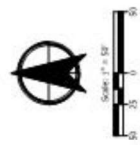
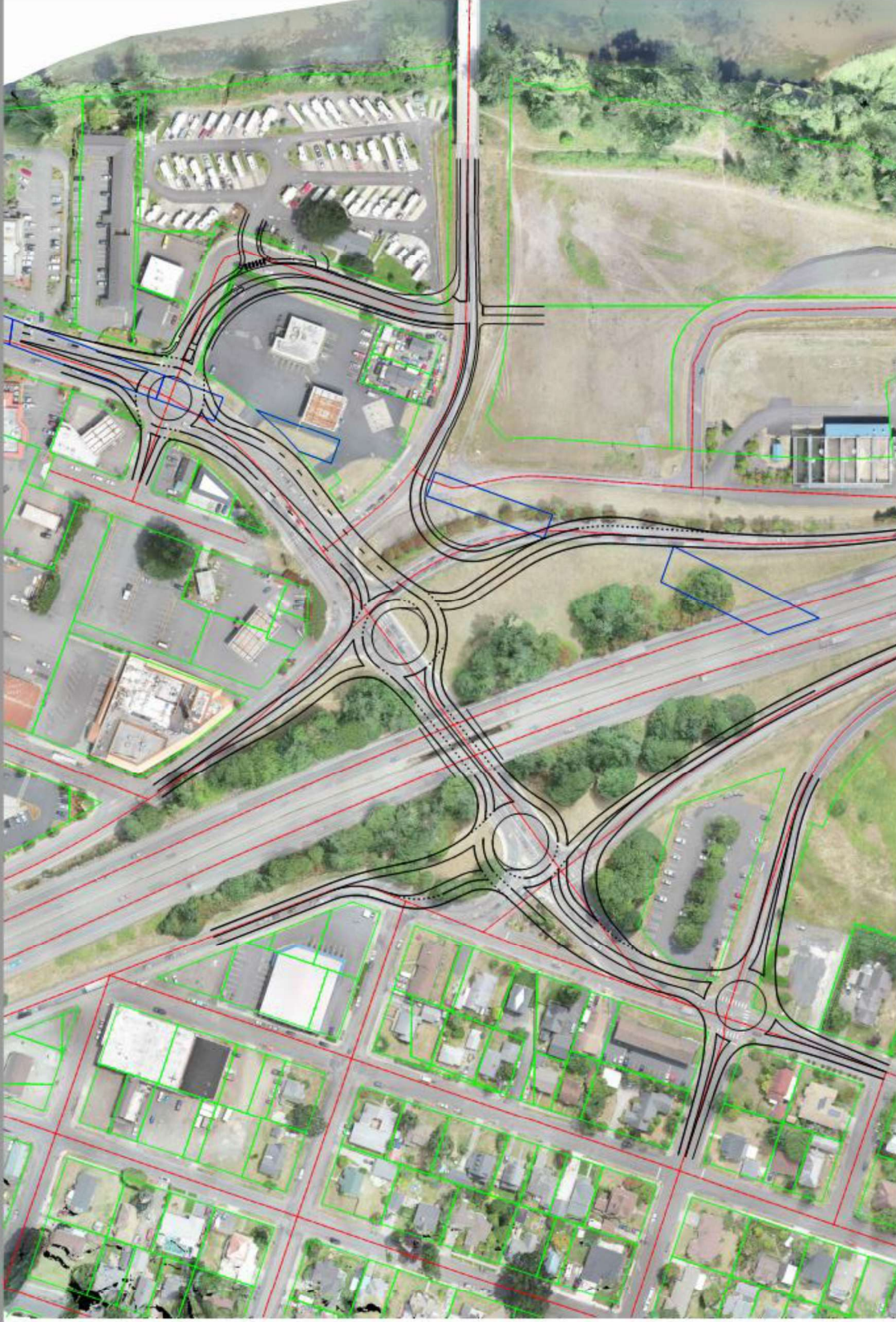
I-5 at SR 503 Interchange Improvements Woodland, WA



KITTELSON & ASSOCIATES
PHONE: (509) 238-5300 CONTACT: KITTELSON@K&A.COM

Roundabouts Concept Design

Preliminary Design Subject to Change
Date: 11/06/2019

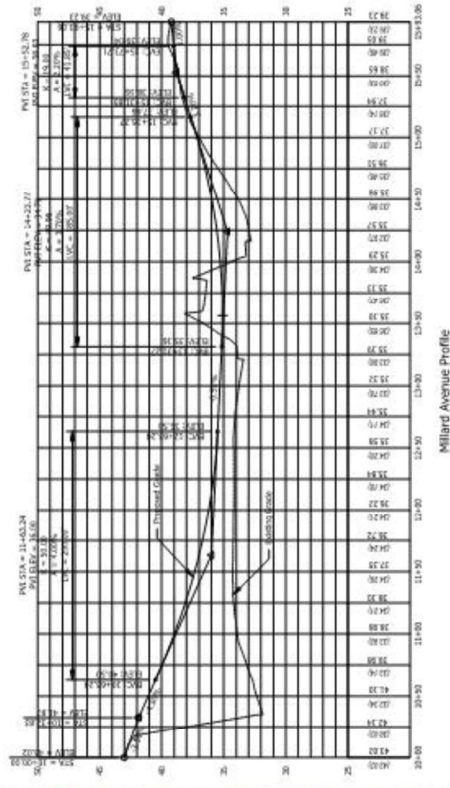
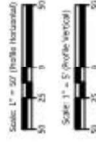
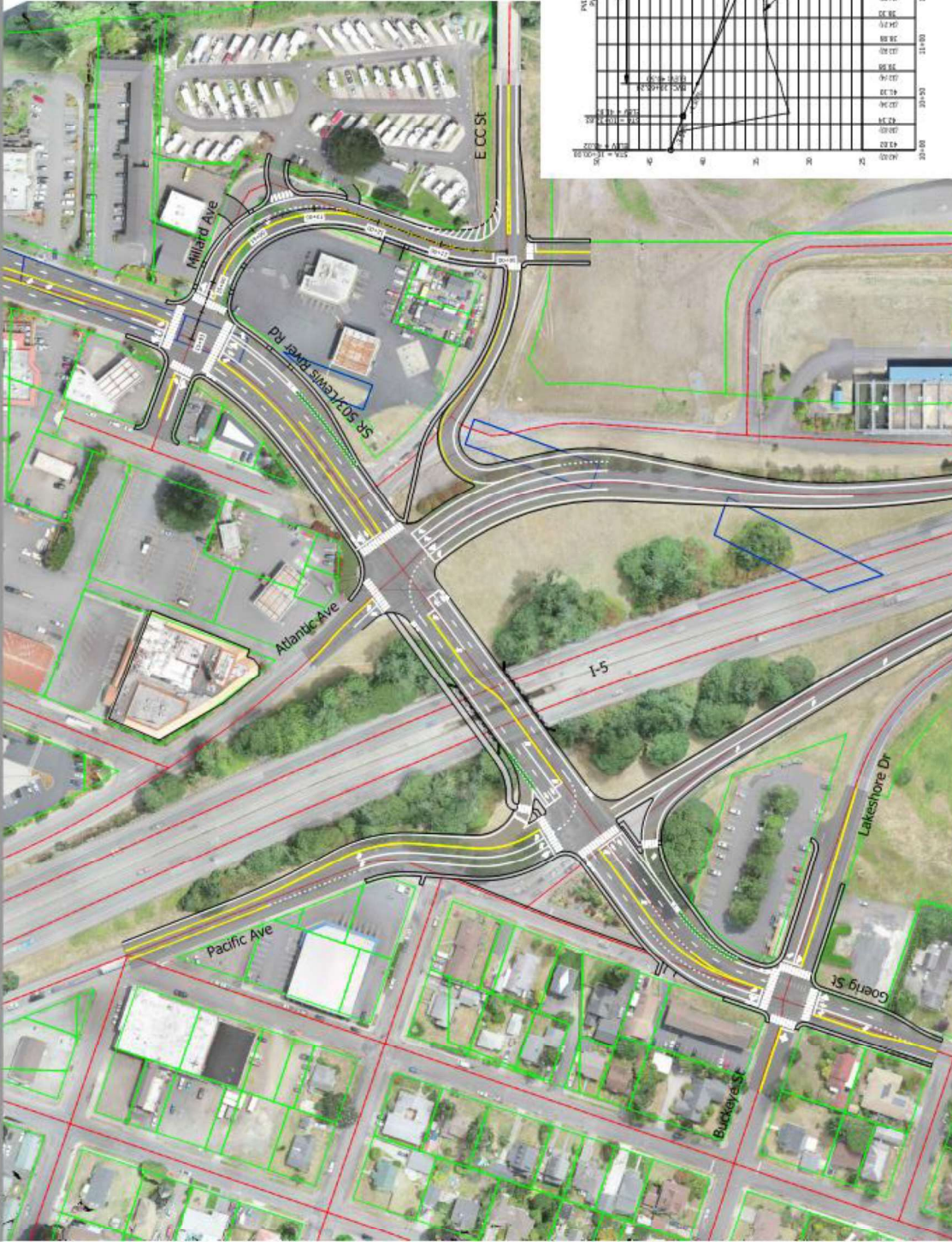


**KITTELSON
& ASSOCIATES**
PROJECT: SR503-5020 - South Hill - February 19, 2019 - Class C-04

I-5 at SR 503 Interchange Improvements
Woodland, WA

Improved Signal Alt 2 Concept Design

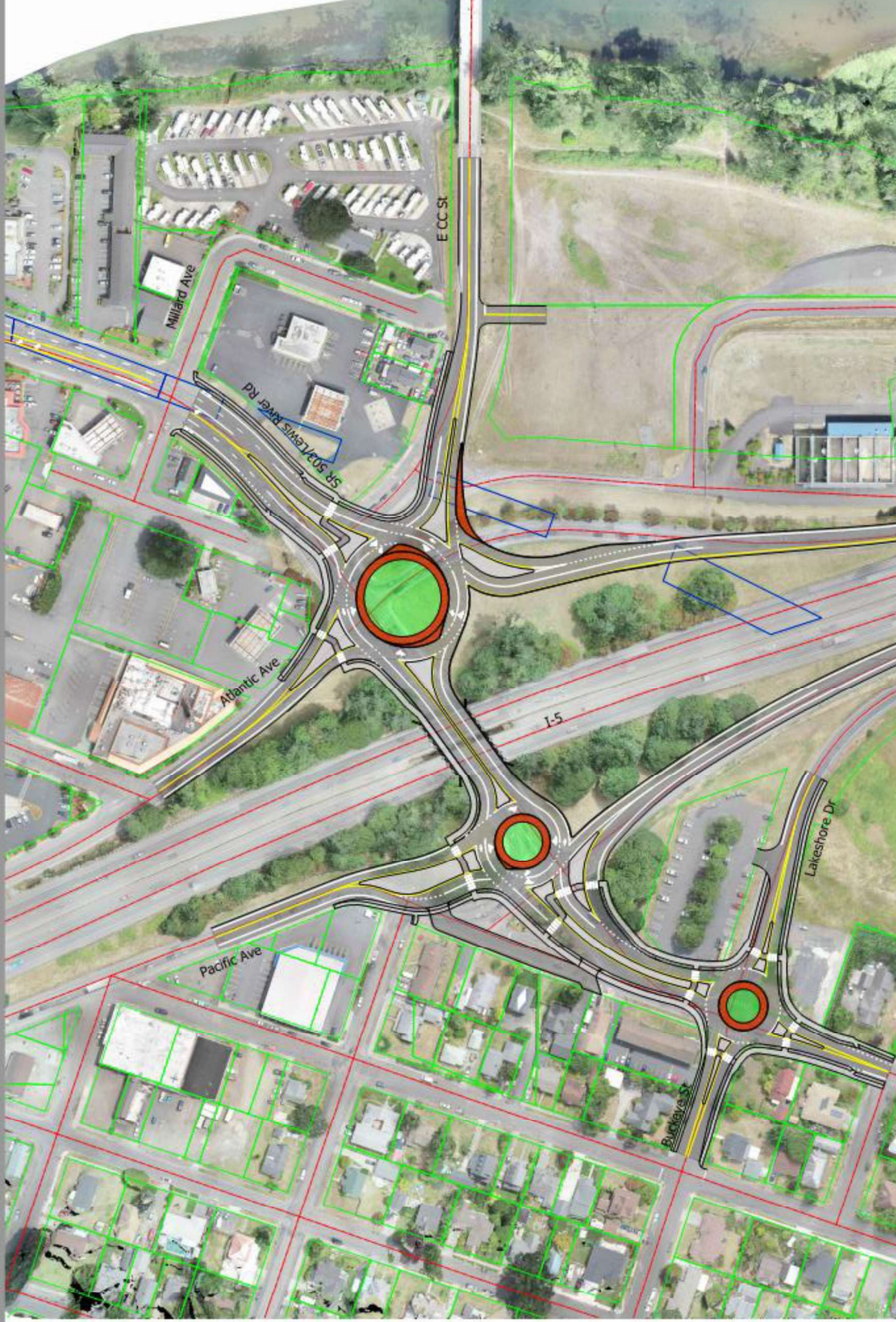
Preliminary Design Subject to Change
Date: 11/22/2019



I-5 at SR 503 Interchange Improvements Woodland, WA

Roundabouts Concept Design

Preliminary Design Subject to Change
Date: 11/13/2019

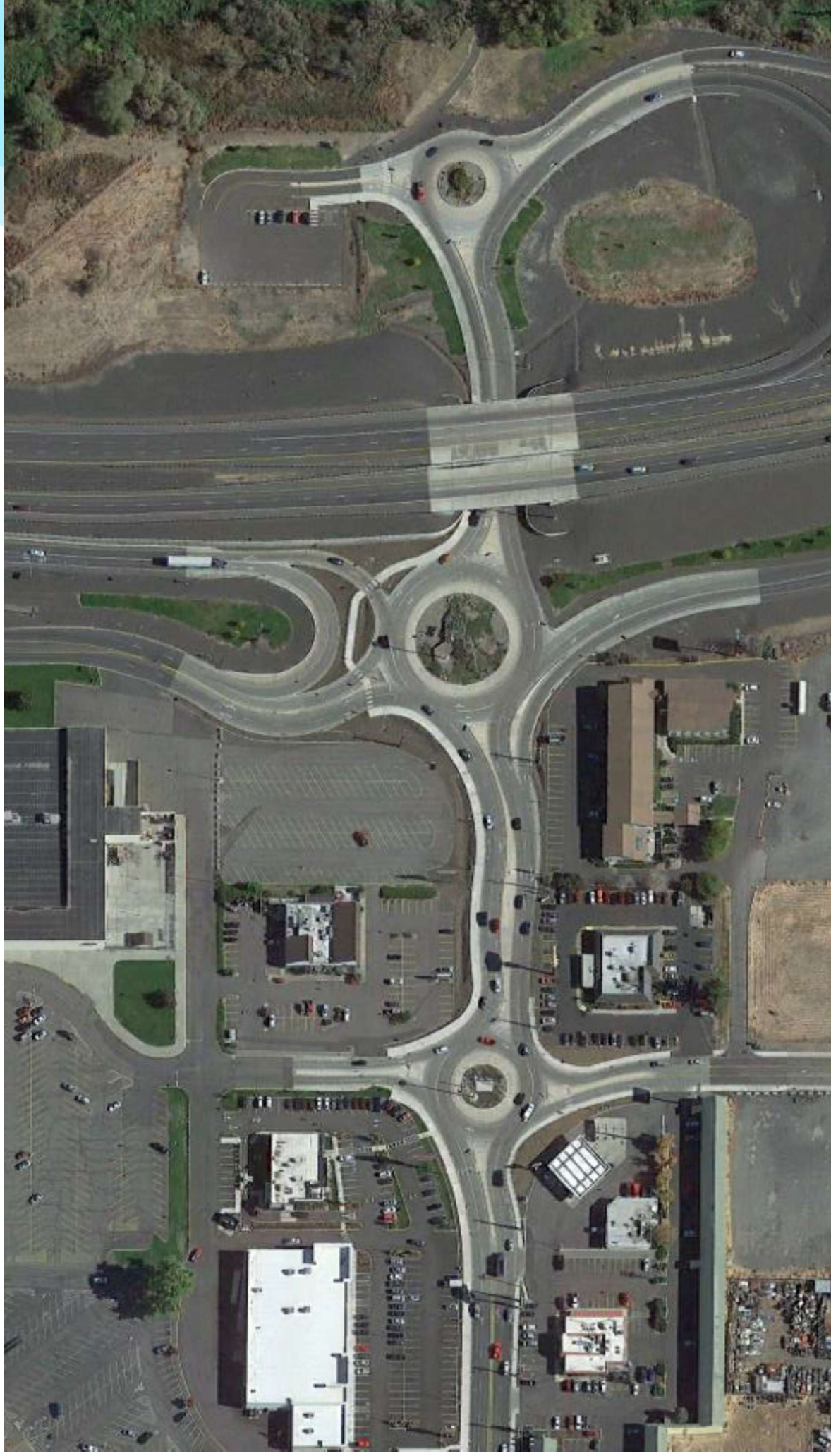


KITTELSON & ASSOCIATES
PHONE: (503) 228-5226 CONTACT: ANTHONY W. YU, CIVIL ENG.

I-5 at SR 503 Interchange Improvements

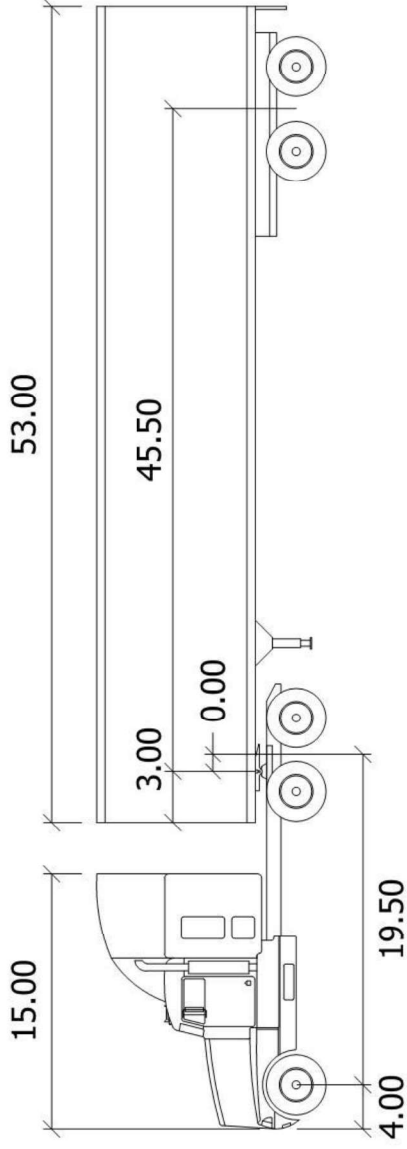
Woodland, WA

I-82 at E. Valley Mall Blvd (Union Gap, WA)



WB-67 Dimensions

Preliminary Design Subject to Change
Date: 1/24/2020



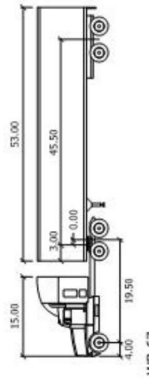
WB-67

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

feet

Truck Turning

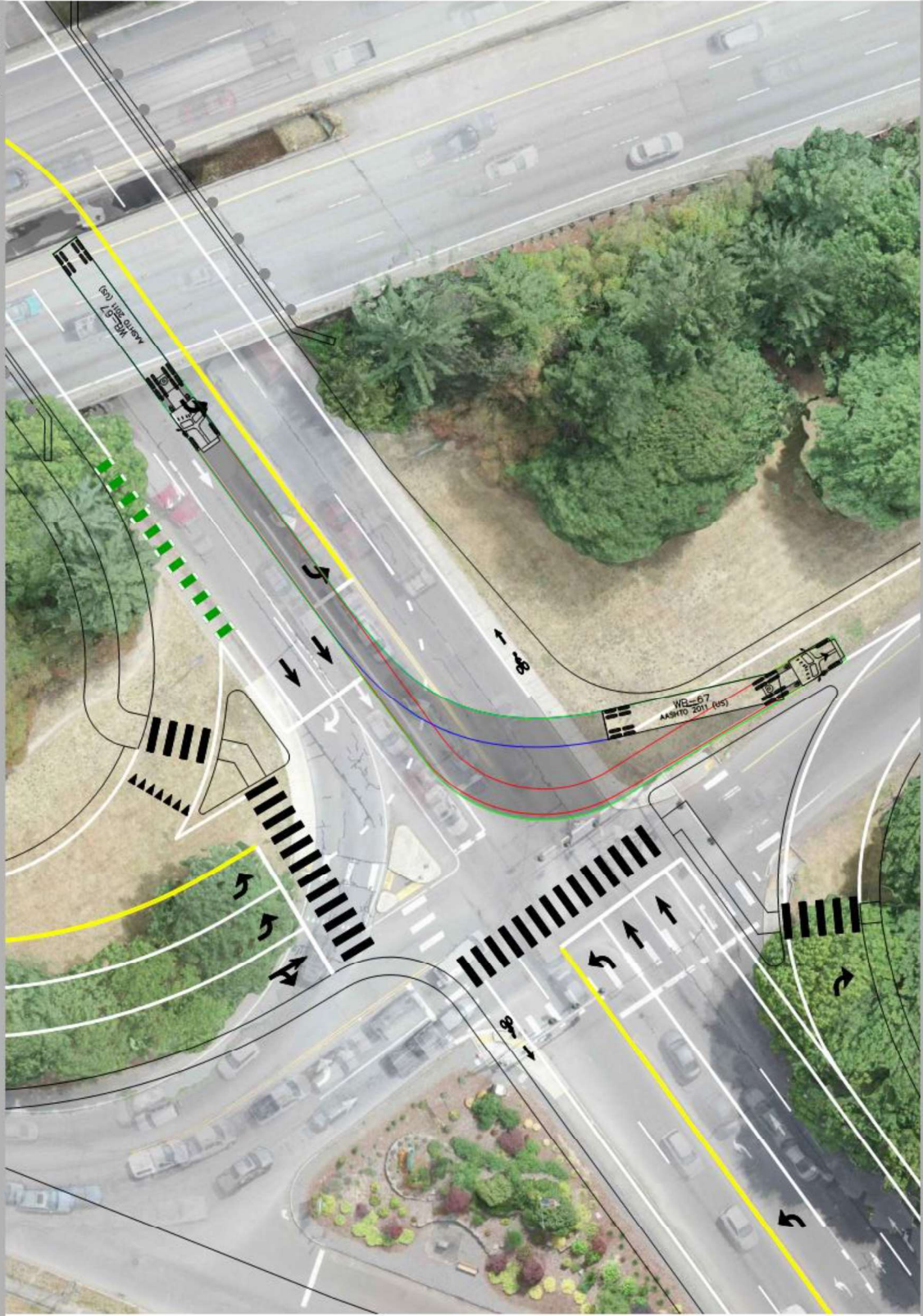
Vehicle Turning Settings	
Design Vehicle:	WB-67
Vehicle Speed:	10 MPH
Min. Turning Radius:	41 Feet
Turn from stop:	Off
Vehicle Envelope	— — — —
Front Tire Track	— — — —
Rear Tire Track	— — — —



WB-67

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Tractor Wheel	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Trailer Track	: 8.50		

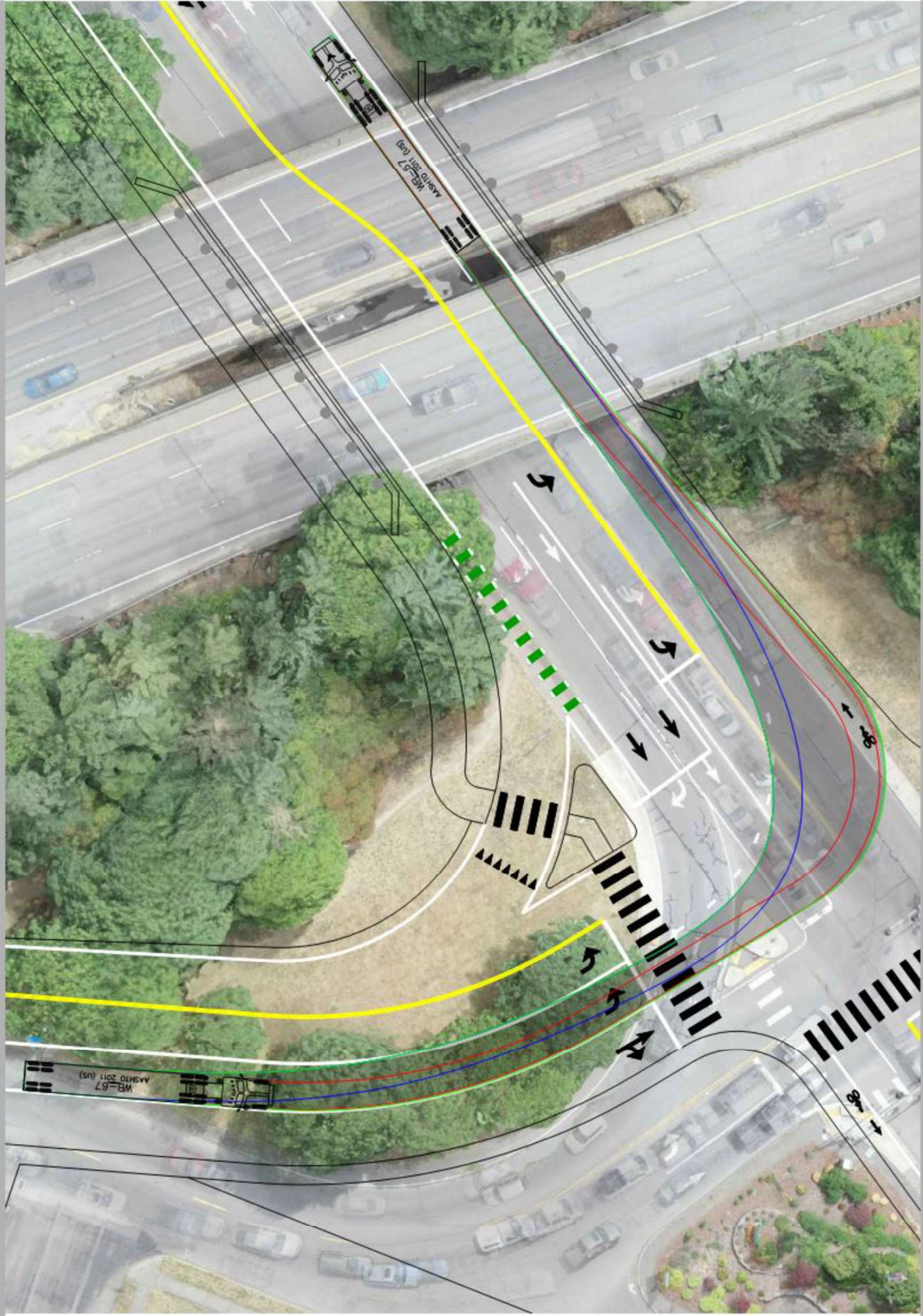
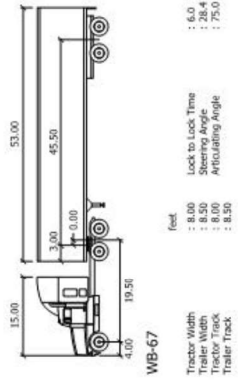
Preliminary Design Subject to Change
Date: 11/19/2019



I-5 at SR 503 Interchange Improvements
Woodland, WA

Truck Turning

Vehicle Turning Settings	
Design Vehicle:	WB-67
Vehicle Speed:	10 MPH
Min. Turning Radius:	41 Feet
Turn from stop:	Off
Vehicle Envelope	— — — —
Front Tire Track	— — — —
Rear Tire Track	— — — —

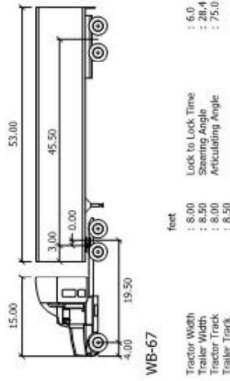


Preliminary Design Subject to Change
Date: 11/19/2019

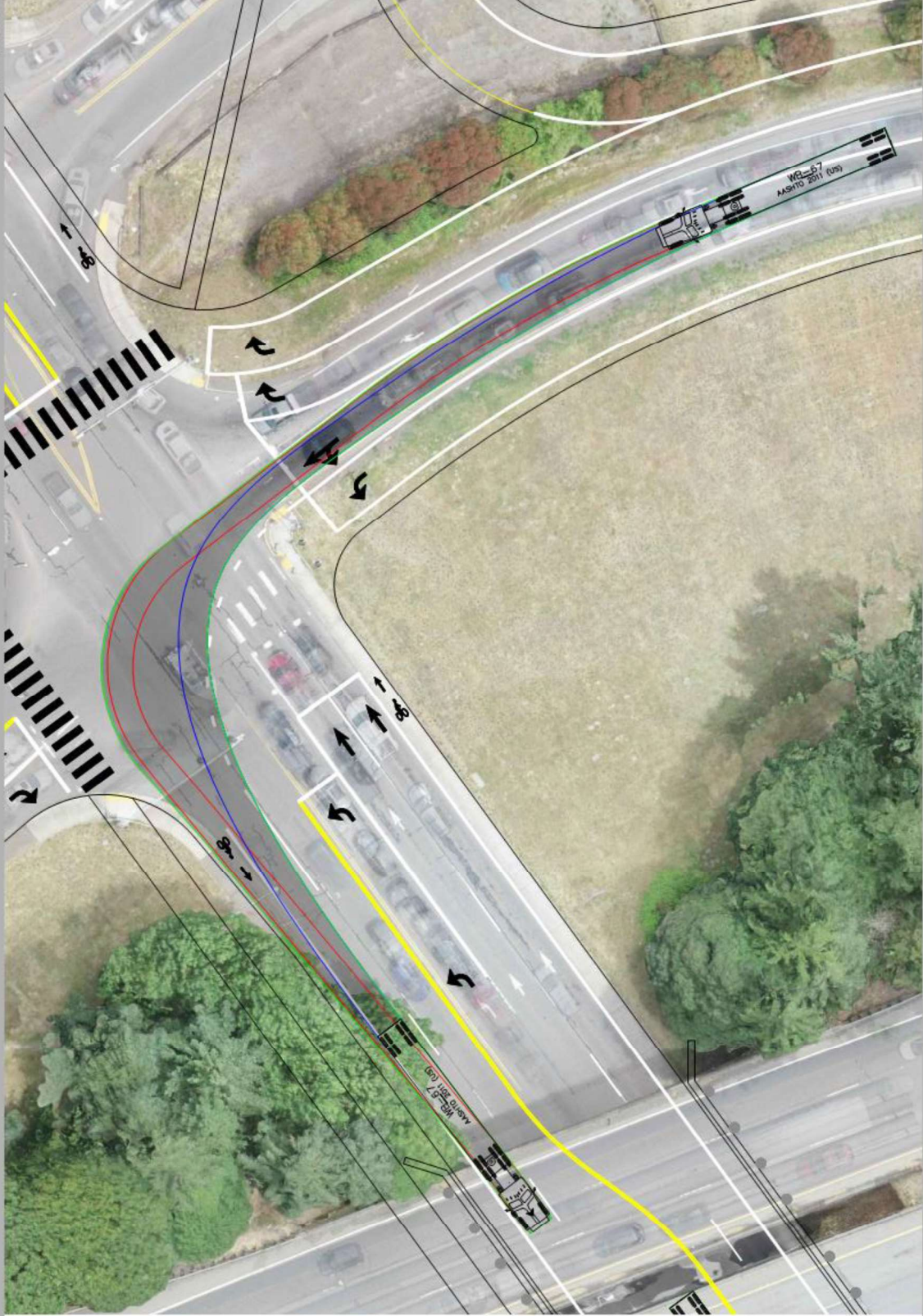
I-5 at SR 503 Interchange Improvements
Woodland, WA

Truck Turning

Vehicle Turning Settings	
Design Vehicle:	WB-67
Vehicle Speed:	10 MPH
Min. Turning Radius:	41 Feet
Turn from stop:	Off
Vehicle Envelope	— — — —
Front Tire Track	—
Rear Tire Track	—



Preliminary Design Subject to Change
 Date: 11/19/2019

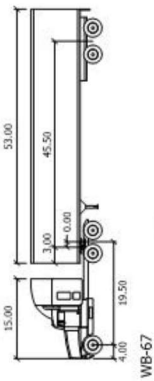


I-5 at SR 503 Interchange Improvements Woodland, WA

Truck Turning

Vehicle Turning Settings

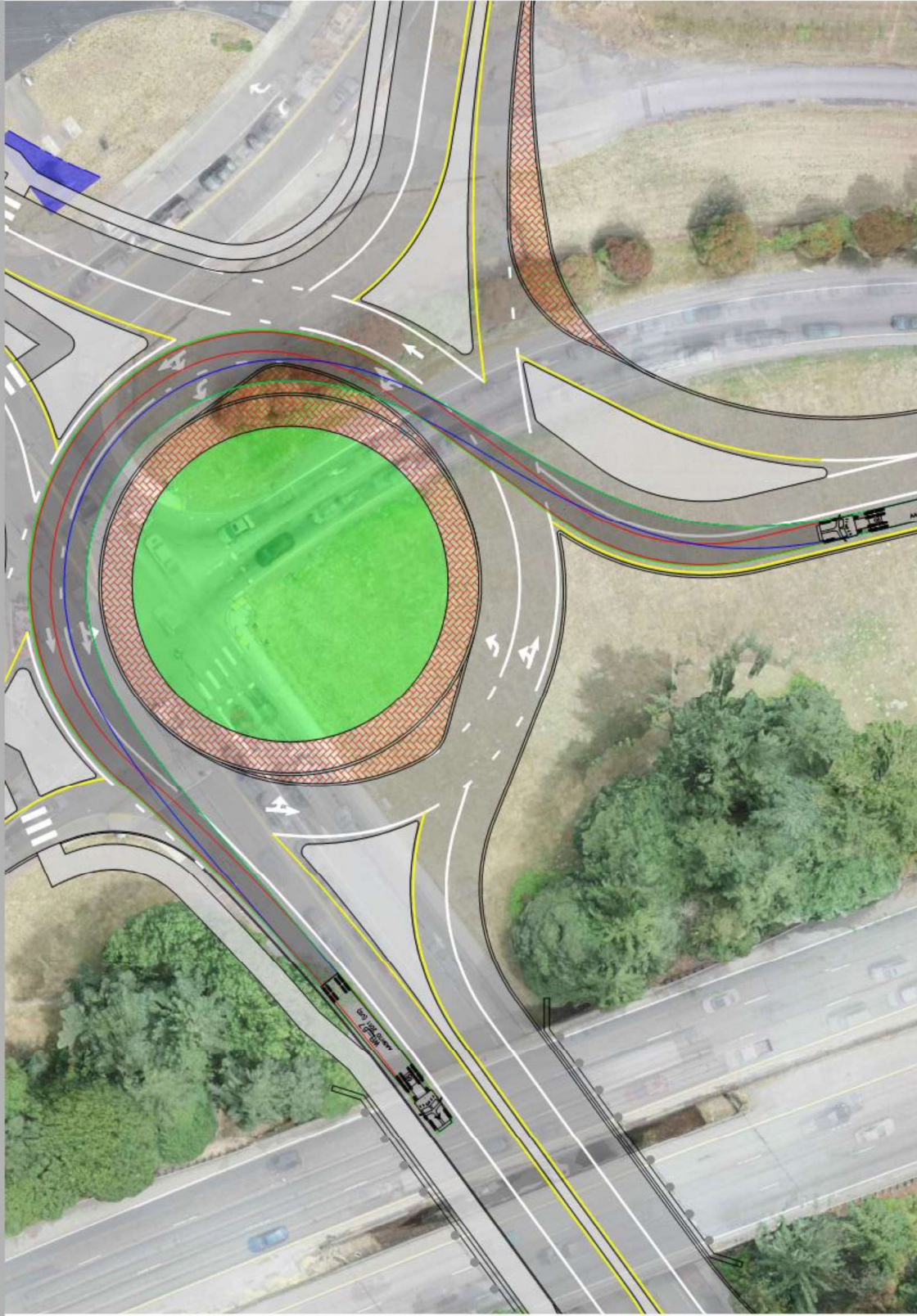
- Design Vehicle: WB-67
- Vehicle Speed: 10 MPH
- Min. Turning Radius: 41 Feet
- Turn from stop: Off
- Vehicle Envelope: —
- Front Tire Track: —
- Rear Tire Track: —



WB-67

- | | | | |
|---------------|--------|--------------------|--------|
| Tractor Width | : 8.00 | Lock to Lock Time | : 6.0 |
| Tractor Track | : 8.00 | Tractor Track | : 75.0 |
| Trailer Track | : 8.50 | Articulating Angle | : 75.0 |

Preliminary Design Subject to Change
Date: 11/19/2019



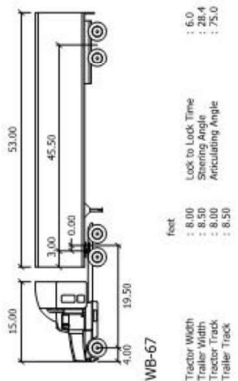
I-5 at SR 503 Interchange Improvements
Woodland, WA



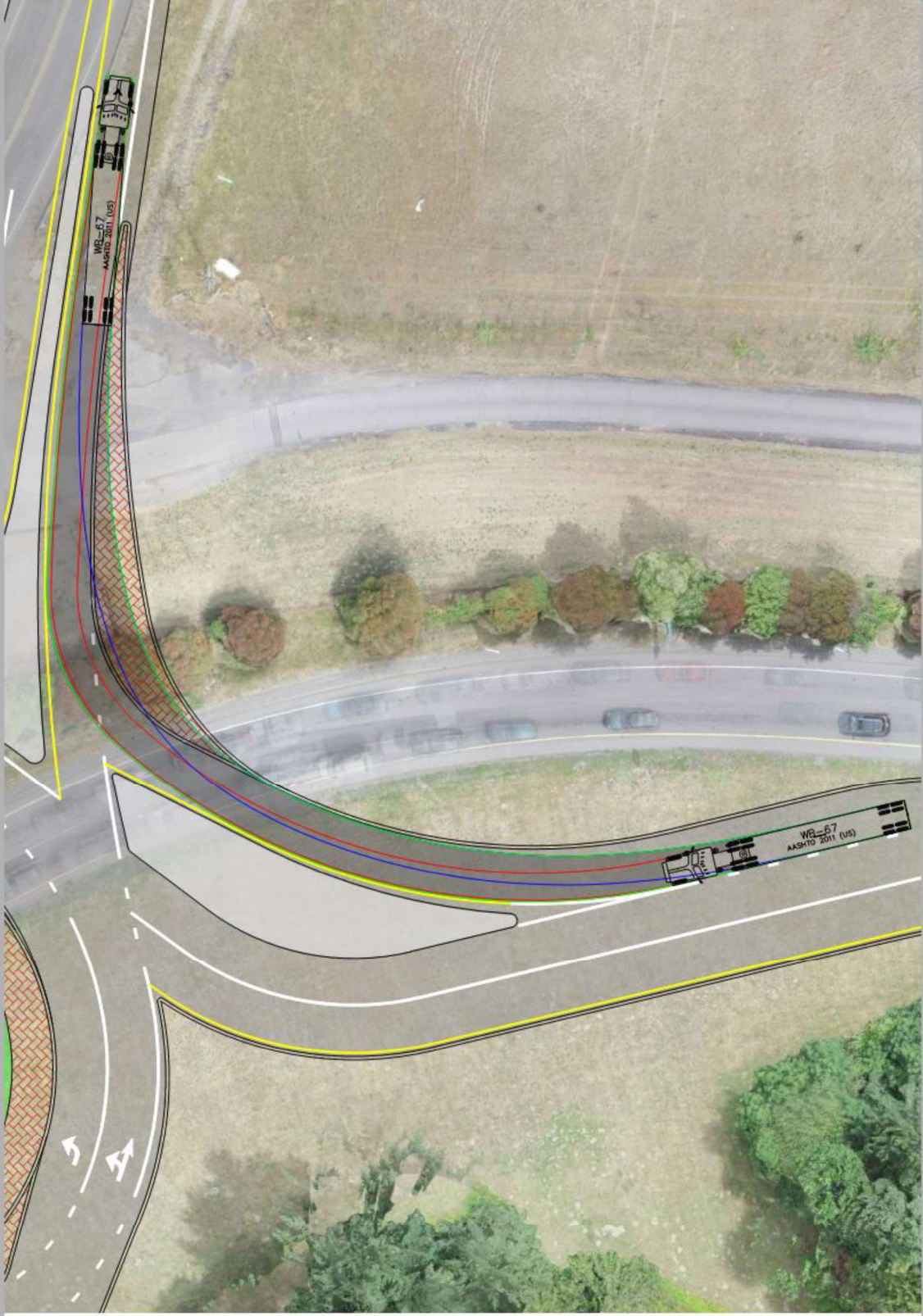
PHONE: (503) 228-5238 • CATHY/ACT, Anthony N. PG, Cathi Cox

Truck Turning

Vehicle Turning Settings	
Design Vehicle:	WB-67
Vehicle Speed:	10 MPH
Min. Turning Radius:	41 Feet
Turn from stop:	Off
Vehicle Envelope	— — — —
Front Tire Track	— — —
Rear Tire Track	— — —



Preliminary Design Subject to Change
Date: 11/19/2019

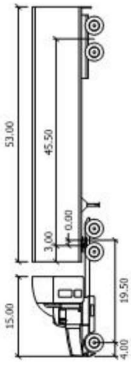


I-5 at SR 503 Interchange Improvements Woodland, WA

Truck Turning

Vehicle Turning Settings

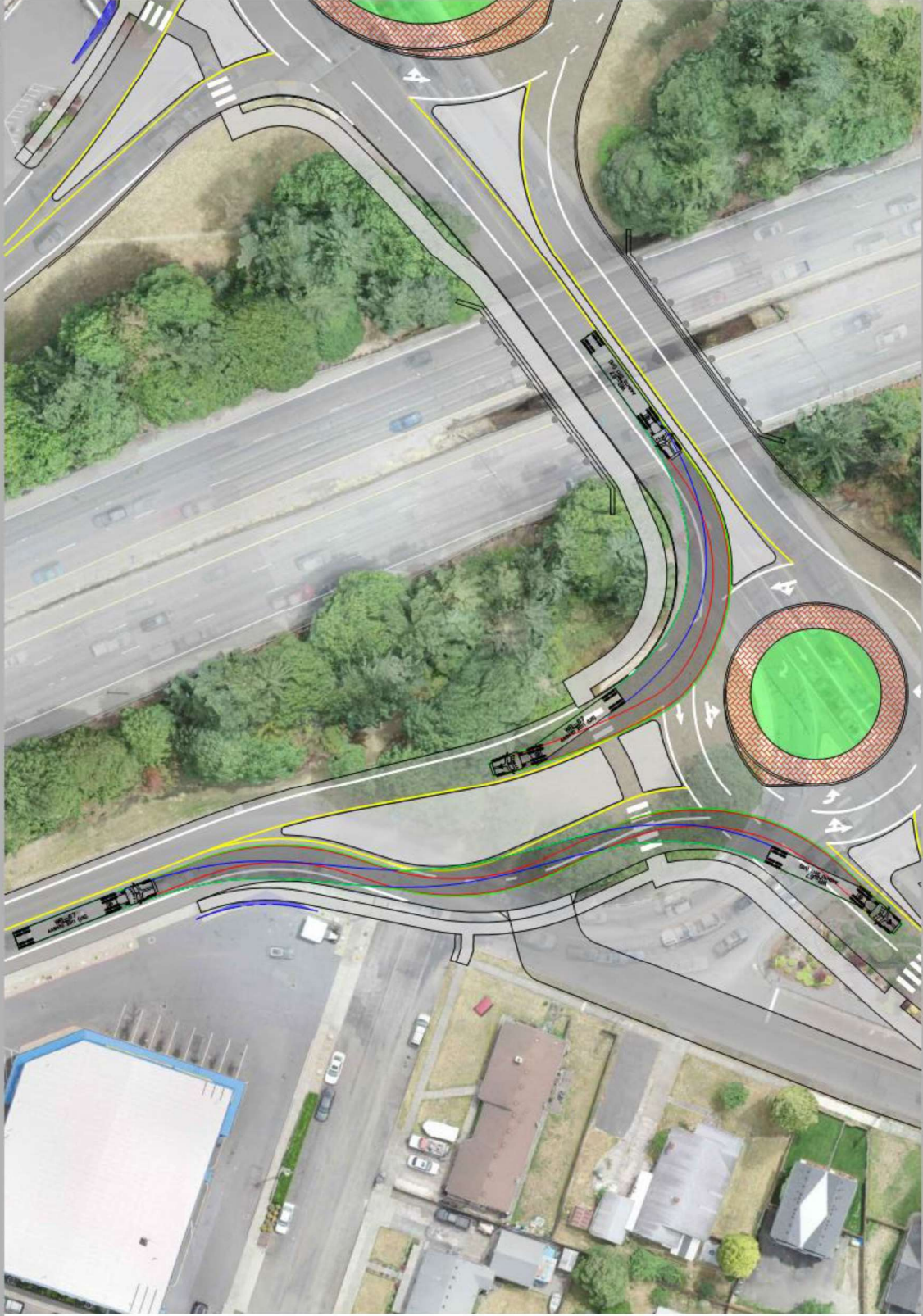
- Design Vehicle: WB-67
- Vehicle Speed: 10 MPH
- Min. Turning Radius: 41 Feet
- Turn from stop: Off
- Vehicle Envelope: — — — —
- Front Tire Track: — — — —
- Rear Tire Track: — — — —



WB-67

- | | | | |
|----------------------|---------|-------------------|--------|
| Tractor Width | : 15.00 | Lock to Lock Time | : 6.0 |
| Tractor Wheel Offset | : 4.00 | Turning Angle | : 25.0 |
| Tractor Track | : 19.50 | Ascending Angle | : 75.0 |
| Trailer Track | : 3.00 | | |

Preliminary Design Subject to Change
Date: 11/19/2019



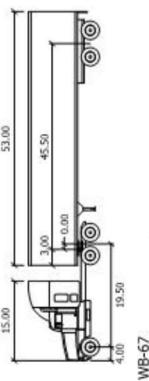
I-5 at SR 503 Interchange Improvements
Woodland, WA



PHONE: (509) 226-9220 CONTACT: Anthony N. Pitt, CMSS, CMAA

Truck Turning

Vehicle Turning Settings	
Design Vehicle:	WB-67
Vehicle Speed:	10 MPH
Min. Turning Radius:	41 Feet
Turn from stop:	Off
Vehicle Envelope	
Front Tire Track	
Rear Tire Track	

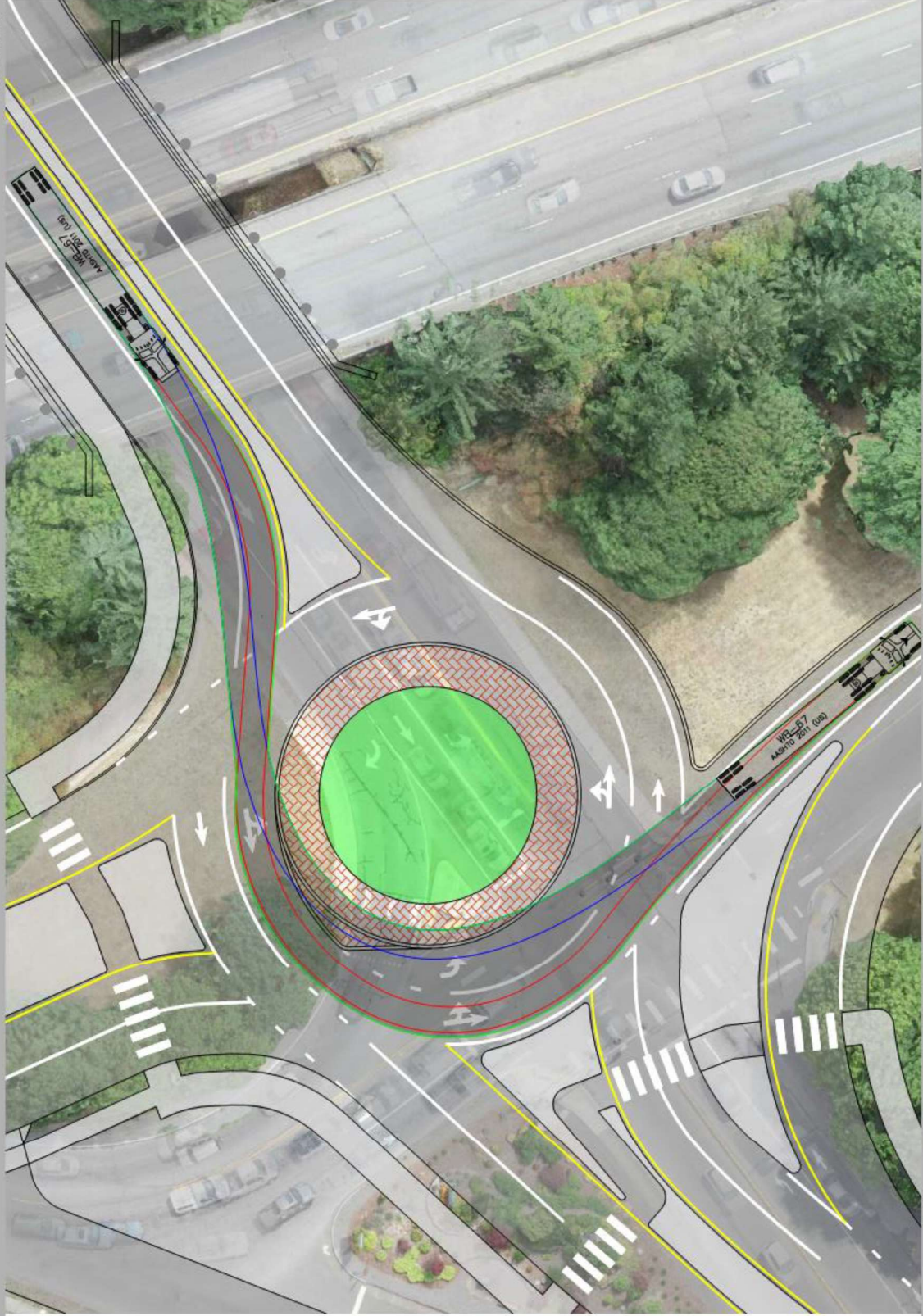


WB-67

feet	Lock to Lock Time
: 8.00	: 6.0
: 8.00	: 25.4
: 8.50	: 75.6

Tractor Width
Tractor Width
Tractor Width
Tractor Width

Preliminary Design Subject to Change
Date: 11/19/2019



I-5 at SR 503 Interchange Improvements
Woodland, WA



Questions